



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

## \*BIBDATASHEET\*

Bib Data Sheet

CONFIRMATION NO. 6888

SERIAL NUMBER 10/619,057	FILING DATE 07/14/2003	CLASS 360	GROUP ART UNIT 2651	ATTORNEY DOCKET NO. Harris 19/075903-199
RULE				

## APPLICANTS

Edward B. Harris, Orlando, FL;

## \*\* CONTINUING DATA \*\*\*\*\*

## \*\* FOREIGN APPLICATIONS \*\*\*\*\*

IF REQUIRED, FOREIGN FILING LICENSE GRANTED

\*\* 10/15/2003

Foreign Priority claimed 35 USC 119 (a-d) conditions met	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	STATE OR COUNTRY FL	SHEETS DRAWING 4	TOTAL CLAIMS 24	INDEPENDENT CLAIMS 4
Verified and Acknowledged  Examiner's Signature	Initials				

## ADDRESS.

29391  
 BEUSSE BROWNLEE WOLTER MORA & MAIRE, P. A.  
 390 NORTH ORANGE AVENUE  
 SUITE 2500  
 ORLANDO , FL  
 32801

## TITLE

Method and apparatus for improving signal-to-noise ratio for hard disk drives

FILING FEE	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue ) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit
RECEIVED 906		